

REMARKS

Claims 1-26 are pending in the instant application. The examiner's final Office Action allowed claims 17-26, objected to claims 3-8 as being dependent from a rejected base claim, and rejected claims 1, 2, and 8-16. As explained below, Applicant believes that the claim amendments and cancellations made in the above amendments place the instant application in condition for immediate allowance.

In more detail, Applicant wholly incorporated the language of objected-to claim 3 into rejected claim 1, and canceled claim 3. That amendment places claim 1 and its remaining dependent claims 2 and 4-16 into condition for immediate allowance.


Because these changes added a "complex multiplier" to claim 1 that multiplies a baseband signal, and because the original version of claim 4 calls out "processing logic" that carries out baseband signal multiplication, Applicant amended claim 4 to clarify that the processing logic of claim 4 included the complex multiplier of claim 1. Applicant believes that the changes to claim 4 benefit the overall clarity of the claims, but welcomes the examiner's thoughts on this point.

Because the intent of this response is to place the case in condition for immediate allowance in a manner consistent with the examiner's remarks, the undersigned attorney respectfully asks the examiner to call if all issues are not resolved to the examiner's satisfaction. Otherwise, Applicant looks forward to the examiner's allowance of the instant application.

Respectfully submitted,

COATS & BENNETT, P.L.L.C.

Dated: 8 December 2004



Michael D. Murphy
Attorney for Applicants
Registration No.: 44,958

P.O. Box 5
Raleigh, NC 27602
Telephone: (919) 854-1844